

Docket No.

ISPH-0576

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

ANTISENSE MODULATION OF PTP1B EXPRESSION

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International

Application Number _____

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

_____	_____
(Application Serial No.)	(Filing Date)
_____	_____
(Application Serial No.)	(Filing Date)
_____	_____
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

09/629,644	July 31, 2000	Pending
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
09/487,368	January 18, 2000	Pending
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Jane Massey Licata, Reg. No. 3,2257
 Kathleen A. Tyrrell, Reg. No. 38,350
 Laura M. Plunkett, Reg. No. 45,015
 Bridget C. Sciamanna, Reg. No. 47,333

Herb Boswell, Reg. No. 27,311
 Laurel Spear Bernstein, Reg. No. 37,280
 Robert S. Andrews, Reg. No. 44,508
 April Logan, Reg. No. 33,950
 Neil S. Bartfeld, Reg. No. 39,901

of the firm:

Isis Pharmaceuticals, Inc.
 Carlsbad Research Center
 2292 Faraday Avenue
 Carlsbad, CA 92008



26259

PATENT TRADEMARK OFFICE

Send Correspondence to:

Direct Telephone Calls to: *(name and telephone number)*

Jane Massey Licata, Tel: 856-810-1515

T 0 1 1 5 0 " F 8 8 4 5 6 0

Full name of sole or first inventor Lex M. Cowsert	
Sole or first inventor's signature	Date
Residence San Mateo, CA	
Citizenship USA	
Post Office Address 1299 Parrott Drive	
San Mateo, CA 94402	

Full name of second inventor, if any Jacqueline Wyatt	
Second inventor's signature	Date
Residence Encinitas, CA	
Citizenship USA	
Post Office Address 1065 Hymettus Avenue	
Encinitas, CA 92008	

T 0 1 1 5 0 E 8 8 4 5 6 0

Full name of third inventor, if any Susan M. Freier	
Third inventor's signature	Date
Residence San Diego, CA	
Citizenship USA	
Post Office Address 2946 Renault Street	
San Diego, CA 92122	

Full name of fourth inventor, if any Brett P. Monia	
Fourth inventor's signature	Date
Residence LaCosta, CA	
Citizenship USA	
Post Office Address 7605 Nueva Castilla Way	
LaCosta, CA 92009	

Full name of fifth inventor, if any Madeline M. Butler	
Fifth inventor's signature	Date
Residence Rancho Sante Fe, CA	
Citizenship USA	
Post Office Address 15951 Avenida Calma	
Rancho Sante Fe, CA 92091	

Full name of sixth inventor, if any Robert McKay	
Sixth inventor's signature	Date
Residence San Diego, CA	
Citizenship USA	
Post Office Address 277 Caminito Pescado #73	
San Diego, CA 92107	

Docket No.
ISPH-0576

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Antisense Modulation of PTP1b Expression

the specification of which

-(check one)

☐ is attached hereto.

☒ was filed on May 14, 2001 as United States Application No. or PCT International
Application Number 09/854,883
and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

_____	_____
(Application Serial No.)	(Filing Date)
_____	_____
(Application Serial No.)	(Filing Date)
_____	_____
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

09/629,644	July 31, 2000	Pending
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
09/487,368	January 18, 2000	Pending
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)



26259


PATENT TRADEMARK OFFICE

Herb Boswell, Reg. No. 27,311
 Laurel Spear Bernstein, Reg. No. 37,280
 Robert S. Andrews, Reg. No. 44,508
 April Logan, Reg. No. 33,950
 Neil S. Bartfeld, Reg. No. 39,901
 Kenneth H. Tarbet, Reg. No. 43,181
 of the firm
 ISIS Pharmaceuticals, Inc.
 Carlsbad Research Center
 2292 Faraday Avenue
 Carlsbad, California 92008

Send Correspondence to:

Direct Telephone Calls to: (name and telephone number)

Jane Massey Licata or Kathleen A. Tyrrell - (856) 810-1515

Full name of sole or first inventor Lex M. Cowser	
Sole or first inventor's signature 	Date 7/30/01
Residence San Mateo, California	
Citizenship US	
Post Office Address 1299 Parrott Drive	
San Mateo, California 94402	

Full name of second inventor, if any Jacqueline Wyatt	
Second inventor's signature	Date
Residence Encinitas, California	
Citizenship US	
Post Office Address 1065 Hymettus Avenue	
Encinitas, California 92008 92024	

Full name of third inventor, if any Susan M. Freier	Date
Third inventor's signature	
Residence San Diego, California	
Citizenship US	
Post Office Address 2946 Renault Street	
San Diego, California 92122	

Full name of fourth inventor, if any Brett P. Monia	Date
Fourth inventor's signature	
Residence La Costa, California	
Citizenship US	
Post Office Address 7605 Nueva Castilla Way 2306 Casa Hermosa Court	
La Costa, California 92009 Encinitas, CA 92024	

Full name of fifth inventor, if any Madeline M. Butler	Date
Fifth inventor's signature	
Residence Rancho Santa Fe, California	
Citizenship US	
Post Office Address 15951 Avenida Calma	
Rancho Santa Fe, California 92091	

Full name of sixth inventor, if any Robert McKay	Date
Sixth inventor's signature	
Residence San Diego, California	
Citizenship US	
Post Office Address 2277 Caminito Pescado #73	
San Diego, California 92107	

Docket No.

ISPH-0576

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Antisense Modulation of PTP1b Expression

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on May 14, 2001 as United States Application No. or PCT International Application Number 09/854,883

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

_____	_____
(Application Serial No.)	(Filing Date)

_____	_____
(Application Serial No.)	(Filing Date)

_____	_____
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

09/629,644	July 31, 2000	Pending
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

09/487,368	January 18, 2000	Pending
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*



26259

PATENT TRADEMARK OFFICE

Herb Boswell, Reg. No. 27,311
 Laurel Spear Bernstein, Reg. No. 37,280
 Robert S. Andrews, Reg. No. 44,508
 April Logan, Reg. No. 33,950
 Neil S. Bartfeld, Reg. No. 39,901
 Kenneth H. Tarbet, Reg. No. 43,181
 of the firm
 ISIS Pharmaceuticals, Inc.
 Carlsbad Research Center
 2292 Faraday Avenue
 Carlsbad, California 92008

Send Correspondence to:

Direct Telephone Calls to: *(name and telephone number)*

Jane Massey Licata or Kathleen A. Tyrrell - (856) 810-1515

Full name of sole or first inventor Lex M. Cowsert	Date
Sole or first inventor's signature	
Residence San Mateo, California	
Citizenship US	
Post Office Address 1299 Parrott Drive	
San Mateo, California 94402	

Full name of second inventor, if any Jacqueline Wyatt	Date
Second inventor's signature <i>Jacqueline Wyatt</i>	<i>7/19/01</i>
Residence Encinitas, California	
Citizenship US	
Post Office Address 1065 Hymettus Avenue	
Encinitas, Calif 92008	<i>92024</i>

Full name of third inventor, if any Susan M. Freier
Third inventor's signature <i>Susan Freier</i> Date <i>July 30, 01</i>
Residence San Diego, California
Citizenship US
Post Office Address 2946 Renault Street
San Diego, California 92122

Full name of fourth inventor, if any Brett P. Monia
Fourth inventor's signature <i>Brett Monia</i> Date <i>7/31/01</i>
Residence La Costa, California
Citizenship US
Post Office Address 7605 Nueva Castilla Way 2306 Casa Hermosa Court
La Costa, California 92009 Encinitas, CA 92024 <i>/SPM 7/31/01</i>

Full name of fifth inventor, if any Madeline M. Butler
Fifth inventor's signature <i>Madeline M Butler</i> Date <i>8/14/01</i>
Residence Rancho Santa Fe, California
Citizenship US
Post Office Address 15951 Avenida Calma
Rancho Santa Fe, California 92091

Full name of sixth inventor, if any Robert McKay
Sixth inventor's signature <i>Robert McKay</i> Date <i>8-13-01</i>
Residence San Diego, California
Citizenship US
Post Office Address 2277 Caminito Pescado #73
San Diego, California 92107